

Gold color lustrous pigment containing rare earth elements

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This invention relates to a golden gloss pigment with a basic flake material (partic to mica) which is coated with a layer of oxidized material. Said oxide consists mainly of titanium-dioxide and oxides of rare-earth elements. It is coated on flakes of mica by a co-precipitation method, and rare-earth elements are used mainly as colouring agent. This golden gloss pigment possesses excellent chemical resistance and heat resistance, so it is especially suitable for molten silicate such as transparent enamel and glaze. Besides, it may also be used for printing of patterns on plastic, leather, and fabrics.

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